

Listing of Claims:

1. (currently amended) A remote control device for a digital video recorder, the remote control device comprising:

a wireless receiver for receiving a list of television programs from the digital video recorder;

an integrated display screen for displaying the list to a user;

a plurality of user controls for controlling the digital video recorder, at least one user control for receiving a selection of a listed television program; and

a wireless transmitter for transmitting an indication of the selection selected television program to the digital video recorder to initiate recording of the selected television program from a live broadcast or playback of a previously-recorded copy of the selected television program.

2. (original) The remote control device of claim 1, wherein the list of television programs comprises an electronic program guide (EPG).

3. (currently amended) The remote control device of claim 2, wherein the EPG ~~includes a listing of television programs available on at least one channel during at least one time slot~~ is configured as a grid having a plurality of rows and columns corresponding to channels and timeslots, the rows and columns forming a plurality of selectable elements corresponding to television programs.

4. (original) The remote control device of claim 2, wherein at least one user control is specifically-designated for displaying the EPG on the display screen of the remote control device.

~~4. The remote control device of claim 1, wherein the list comprises an electronic program guide (EPG) including television programs broadcast on a particular channel for a plurality of time slots.~~

5 (original) The remote control device of claim 1, wherein the list comprises a play list including television programs recorded by the digital video recorder and available for playback.

6. (original) The remote control device of claim 5, wherein at least one user control is specifically-designated for displaying the play list on the display screen of the remote control device.

7. (original) The remote control device of claim 1, wherein the list comprises a recording list including television programs scheduled to be recorded by the digital video recorder.

8. (original) The remote control device of claim 7, wherein at least one user control is specifically-designated for displaying the recording list on the display screen of the remote control device.

9. (original) The remote control device of claim 1, wherein at least one user control is configured to receive a user command to record the selected television program, and wherein the wireless transmitter is further configured to transmit the user command to the digital video recorder.

10. (original) The remote control device of claim 1, wherein at least one user control is configured to receive a user command to play back the selected television program, and wherein the wireless transmitter is further configured to transmit the user command to the digital video recorder.

11. (original) The remote control device of claim 1, wherein at least one user control is configured for navigating the list of television programs to indicate the selection, and wherein at least one control is configured for initiating transmission of the selection to the digital video recorder.

12. (original) The remote control device of claim 1, wherein at least one user control is specifically designated to initiate immediate recording of a listed television program.

13. (original) The remote control device of claim 1, wherein the display screen comprises a liquid crystal display (LCD).

14. (currently amended) A system for digital video recording and playback comprising:

a digital video recorder comprising:

a wireless transmitter for transmitting a list of television programs to a remote control device;

a wireless receiver for receiving a selection of a listed television program from the remote control device; and

a recording and playback subsystem for selectively recording or playing back the selected television program; and

a remote control device for the digital video recorder comprising:

a wireless receiver for receiving the list of television programs from the digital video recorder;

an integrated display screen for displaying the list to a user;

a plurality of user controls for controlling the digital video recorder, at least one user control for receiving a selection of a listed television program from the user; and

a wireless transmitter for transmitting an indication of the selection selected television program to the digital video recorder to initiate recording of the selected television program from a live broadcast or playback of a previously-recorded copy of the selected television program.

15. (original) The system of claim 14, wherein the recording and playback subsystem comprises:

an encoder for digitally encoding a television program in a compressed format;

a mass storage device for storing the encoded television program;

a decoder for decoding a television program retrieved from the mass storage device; and

a display controller displaying the decoded television program on an external device.

16. (original) The system of claim 14, wherein the digital video recorder is integrated with a set top box (STB) for an interactive television system.

17. (original) The system of claim 14, wherein the digital video recorder further comprises:

a network interface for receiving television programs from a distribution network.

18. (original) The system of claim 17, wherein the distribution network comprises a cable television network.

19. (original) The system of claim 17, wherein the distribution network comprises a direct satellite broadcast (DBS) network.

20. (original) The system of claim 17, wherein the network interface is further configured to receive the list of television programs from the distribution network.

21. (original) The system of claim 14, wherein the list of television programs comprises an electronic program guide (EPG).

22. (currently amended) The system of claim 21, wherein the EPG ~~includes a listing of television programs available on at least one channel during at least one time slot~~ is configured as a grid having a plurality of rows and columns corresponding to channels and timeslots, the rows and columns forming a plurality of selectable elements corresponding to television programs.

23. (original) The system of claim 21, wherein at least one user control is specifically-designated for displaying the EPG on the display screen of the remote control.

24. (original) The system of claim 14, wherein the list comprises a play list including television programs recorded by the digital video recorder and available for playback.

25. (original) The system of claim 24, wherein at least one user control is specifically-designated for displaying the play list on the display screen of the remote control.

26. (original) The system of claim 14, wherein the list comprises a recording list including television programs scheduled to be recorded by the digital video recorder.
27. (original) The system of claim 26, wherein at least one user control is specifically-designated for displaying the recording list on the display screen of the remote control.
28. (original) The system of claim 14, wherein at least one user control is configured to receive a user command to record the selected television program, and wherein the wireless transmitter is configured to transmit the user command to the digital video recorder.
29. (original) The system of claim 14, wherein at least one user control is configured to receive a user command to play back the selected television program, and wherein the wireless transmitter is configured to transmit the user command to the digital video recorder.
30. (original) The system of claim 14, wherein at least one user control is configured for navigating the list of television programs to indicate the selection, and wherein at least one control is configured for initiating transmission of the selection to the digital video recorder.

31. (original) The system of claim 14, wherein at least one user control is specifically designated to initiate immediate recording of a listed television program.
32. (original) The system of claim 14, wherein the display screen comprises a liquid crystal display (LCD).
33. (currently amended) A method in a remote control device for controlling a digital video recorder, the method comprising:
- receiving a list of television programs from the digital video recorder,
 - displaying the list on a display screen integrated with the remote control device;
 - receiving a user selection of a listed television program; and
 - transmitting an indication of the selection selected television program to the digital video recorder to initiate recording of the selected television program from a live broadcast or playback of a previously-recorded copy of the selected television program.
34. (original) The method of claim 33, wherein the list of television programs comprises an electronic program guide (EPG).
35. (currently amended) The method of claim 33, further comprising: wherein the EPG includes a listing of television programs available on at least one channel during at least one time slot configuring the EPG as a grid having a plurality of rows and

columns corresponding to channels and timeslots, the rows and columns forming a plurality of selectable elements corresponding to television programs.

36. (original) The method of claim 33, wherein the list comprises a play list including television programs previously recorded by the digital video recorder.

37. (original) The method of claim 33, wherein the list comprises a recording list including television programs scheduled to be recorded by the digital video recorder.

38. (original) The method of claim 33, further comprising:
receiving a user command to record the selected television program; and
transmitting the user command to the digital video recorder.

39. (original) The method of claim 33, further comprising:
receiving a user command to play back the selected television program; and
transmitting the user command to the digital video recorder.

40. (currently amended) A method for digital video recording and playback comprising:

within a digital video recorder:

transmitting a list of television programs to a remote control device;

receiving a selection of a listed television program from the remote control device;

recording the selected television program in response receiving a first user command from the remote control device; and

playing back the selected television program in response to receiving a second user command from the remote control device; and
within the remote control device:

receiving the list of television programs from the digital video recorder;
displaying the list on a display screen integrated with the remote control device;

receiving a selection of a listed television program from a user;
receiving a user command to record or play back the selected television program; and

transmitting an indication of the selection selected television program to the digital video recorder to initiate recording of the selected television program from a live broadcast or playback of a previously-recorded copy of the selected television program.

41. (original) The method of claim 40, wherein recording comprises:
encoding a television program in a compressed format; and
storing the encoded television program in a mass storage device.
42. (original) The method of claim 40, wherein the digital video recorder is integrated with a set top box (STB) for an interactive television system.

43. (original) The method of claim 40, wherein playing back comprises:
retrieving an encoded television program from a mass storage device;
decoding the encoded television program; and
displaying the decoded television program on an external device.
44. (original) The method of claim 40, further comprising:
within the digital video recorder:
receiving television programs from a distribution network.
45. (original) The method of claim 44, wherein the distribution network comprises
a cable television network.
46. (original) The method of claim 44, wherein the distribution network comprises
a direct satellite broadcast (DBS) network.
47. (original) The method of claim 44, further comprising:
within the digital video recorder:
receiving the list of television programs from the distribution network.
48. (original) The system of claim 40, wherein the list of television programs
comprises an electronic program guide (EPG).

49. (currently amended) The system of claim 48, wherein the EPG ~~includes a listing of television programs available on at least one channel during at least one time slot~~ is configured as a grid having a plurality of rows and columns corresponding to channels and timeslots, the rows and columns forming a plurality of selectable elements corresponding to television programs.

50. (original) The system of claim 40, wherein the list comprises a play list including television programs previously recorded by the digital video recorder.

51. (original) The system of claim 14, wherein the list comprises a recording list including television programs scheduled to be recorded by the digital video recorder.

52. (currently amended) A remote control device for a digital video recorder, the remote control device comprising:

means for receiving a list of television programs from the digital video recorder;

means for displaying the list to a user;

means for receiving user commands for controlling the digital video recorder;

means for receiving a user selection of a television program from the list; and

means for transmitting an indication of the selection selected television program to the digital video recorder to initiate recording of the selected television program from a live broadcast or playback of a previously-recorded copy of the selected television program.

53. (currently amended) A system for digital video recording and playback comprising:

a digital video record~~er~~ing means comprising:

means for transmitting a list of television programs to a remote control device;

means for receiving a selection of a listed television program from the remote control device; and

means for selectively recording and playing back the selected television program; and

~~a remote control device for the digital video recorder~~ means comprising:

means for receiving the list of television programs from the digital video recorder;

means for displaying the list to a user, wherein the list is presented as a grid having a plurality of rows and columns corresponding to channels and timeslots, the rows and columns forming a plurality of selectable elements corresponding to television programs;

means for receiving user commands for controlling the digital video recorder;

means for receiving a user selection of ~~a listed television program from the list~~ one of the selectable elements corresponding a television program;
and

means for transmitting an indication of the selection ~~selected television program~~ to the digital video recorder to initiate recording of the selected

television program from a live broadcast or playback of a previously-recorded copy of the selected television program.

AUG 09 2005



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/916,635	07/27/2004	Paul G. Allen	4000.244	1204

32641 7590 01/30/2004

DIGEO, INC C/O STOEL RIVES LLP
201 SOUTH MAIN STREET, SUITE 1100
ONE UTAH CENTER
SALT LAKE CITY, UT 84111

EXAMINER

DESIR, JEAN WICEL

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 01/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

RECEIVED
JUN 24 2005
STOEL RIVES, S.L.C.



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. Box 1450
ALEXANDRIA, VA 22313-1450
www.uspto.gov

Notice of Non-Compliant Amendment (37 CFR 1.121)

The amendment document filed on 5/27/04 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121. In order for the amendment document to be compliant, correction of the following item(s) is required. Only the corrected section of the non-compliant amendment document must be resubmitted (in its entirety), e.g., the entire "Amendments to the claims" section of applicant's amendment document must be re-submitted. 37 CFR 1.121(h).

THE FOLLOWING CHECKED (X) ITEM(S) CAUSE THE AMENDMENT DOCUMENT TO BE NON-COMPLIANT:

- ☐ 1. Amendments to the specification:
- ☐ A. Amended paragraph(s) do not include markings.
 - ☐ B. New paragraph(s) should not be underlined.
 - ☐ C. Other _____
- ☐ 2. Abstract:
- ☐ A. Not presented on a separate sheet. 37 CFR 1.72.
 - ☐ B. Other _____
- ☐ 3. Amendments to the drawings: _____
- ☒ 4. Amendments to the claims:
- ☐ A. A complete listing of all of the claims is not present.
 - ☐ B. The listing of claims does not include the text of all pending claims (including withdrawn claims)
 - ☐ C. Each claim has not been provided with the proper status identifier, and as such, the individual status of each claim cannot be identified. Note: the status of every claim must be indicated after its claim number by using one of the following 7 status identifiers: (Original), (Currently amended), (Canceled), (Withdrawn), (Previously presented), (New) and (Not entered).
 - ☐ D. The claims of this amendment paper have not been presented in ascending numerical order.
 - ☒ E. Other: There are two number "4" claims in this amendment

For further explanation of the amendment format required by 37 CFR 1.121, see MPEP Sec. 714 and the USPTO website at <http://www.uspto.gov/web/offices/pac/dapp/opla/procenotice/officeflver.pdf>.

If the non-compliant amendment is a **PRELIMINARY AMENDMENT**, applicant is given ONE MONTH from the mail date of this letter to supply the corrected section which complies with 37 CFR 1.121. Failure to comply with 37 CFR 1.121 will result in non-entry of the preliminary amendment and examination on the merits will commence without consideration of the proposed changes in the preliminary amendment(s). This notice is not an action under 35 U.S.C. 132, and this ONE MONTH time limit is not extendable.

If the non-compliant amendment is a reply to a **NON-FINAL OFFICE ACTION** (including a submission for an RCE), and since the amendment appears to be a *bona fide* attempt to be a reply (37 CFR 1.135(e)), applicant is given a TIME PERIOD of ONE MONTH from the mailing of this notice within which to re-submit the corrected section which complies with 37 CFR 1.121 in order to avoid abandonment. **EXTENSIONS OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).**

If the amendment is a reply to a **FINAL REJECTION**, this form may be an attachment to an Advisory Action. The period for response to a final rejection continues to run from the date set in the final rejection, and is not affected by the non-compliant status of the amendment.

Josephine Douglas
Legal Instruments Examiner (LIE)

571-272-7249
Telephone No.

Rev. 6/04